Atty Dkt. No. U.S. Serial No. NVDA P000804 US

Unkown Herewith Filed:

Applicant: Herewith
Applicant: Maufer et al.
Title: PACKET PROCESSING WITH RE-INSERTION
INTO NETWORK INTERFACE CIRCUITRY
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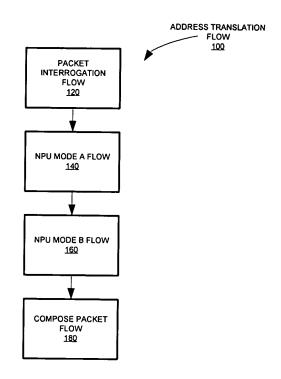


FIG. 1

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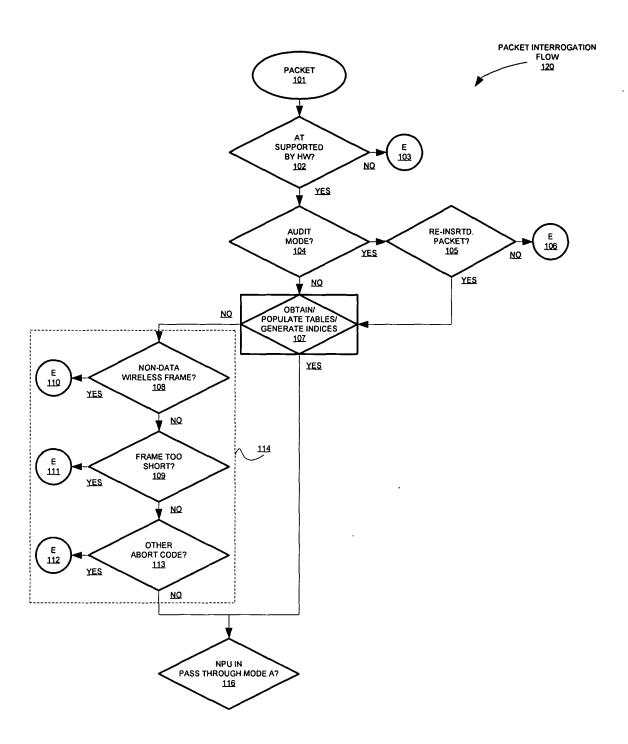


FIG. 2A-1

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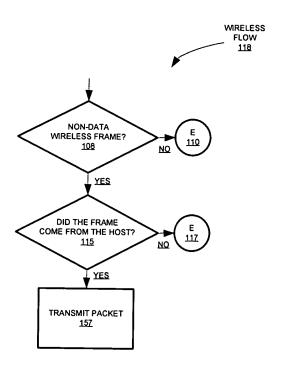


FIG. 2A-2

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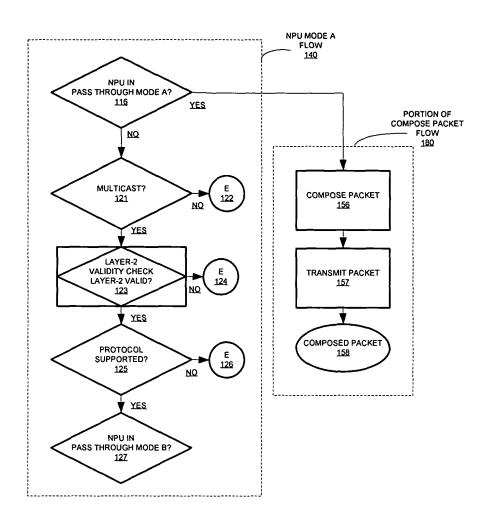


FIG. 2B-1

Atty Dkt. No. U.S. Serial No. NVDA P000804 US Unkown Filed: Herewith Applicant: Maufer et al.
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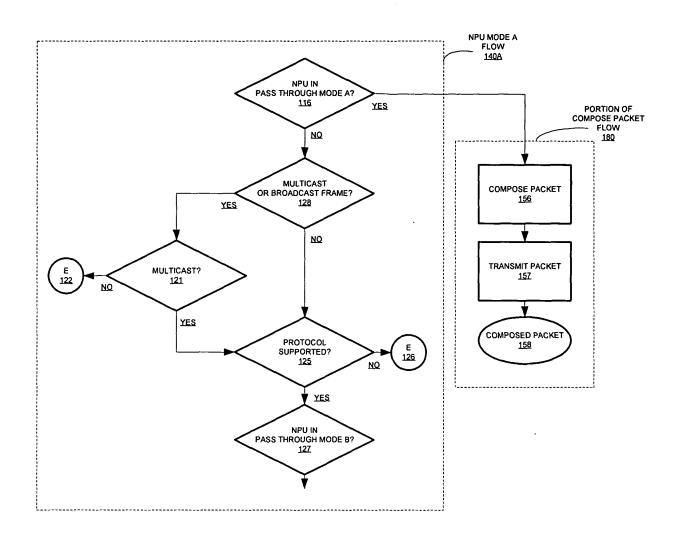


FIG. 2B-2

Atty Dkt. No. NVDA P000804 US U.S. Serial No. Unkown Filed: Herewith Applicant: Maufer et al.
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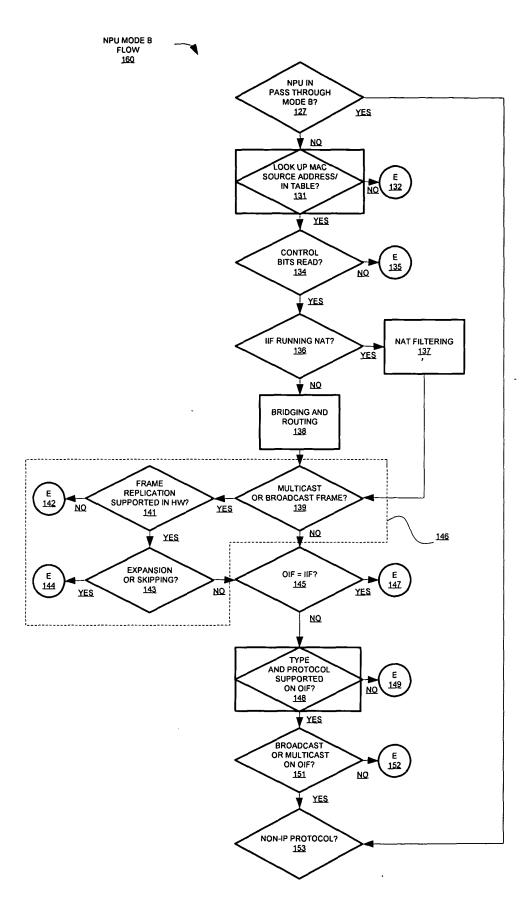


FIG. 2C

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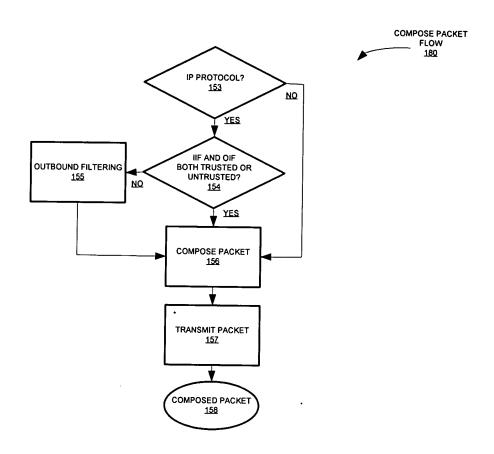


FIG. 2D-1

Atty Dkt. No. U.S. Serial No. NVDA P000804 US Unkown Filed: Herewith

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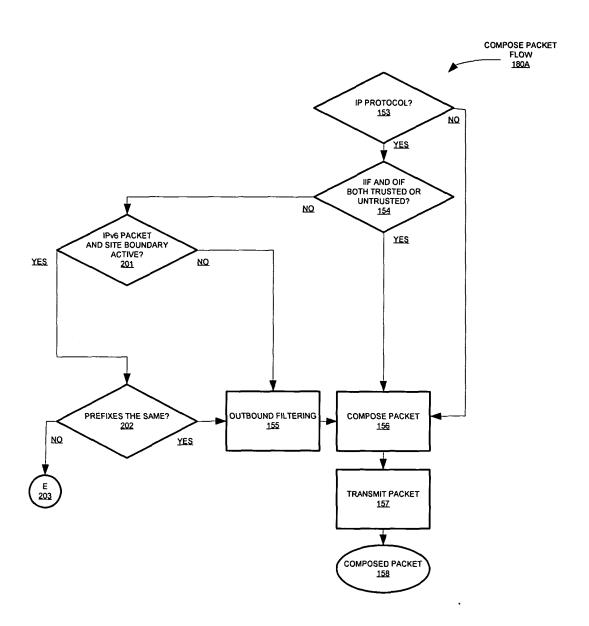


FIG. 2D-2

Atty Dkt. No. NVDA P000804 US U.S. Serial No. Unkown

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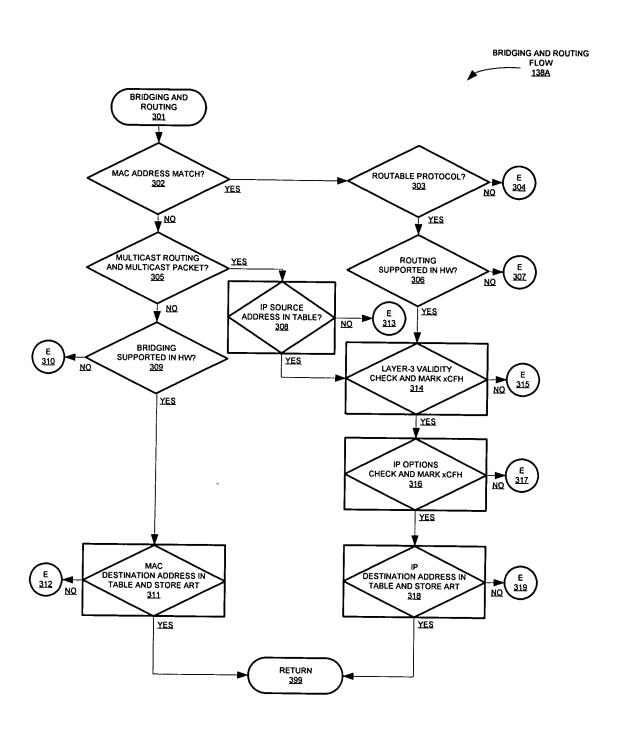


FIG. 3A

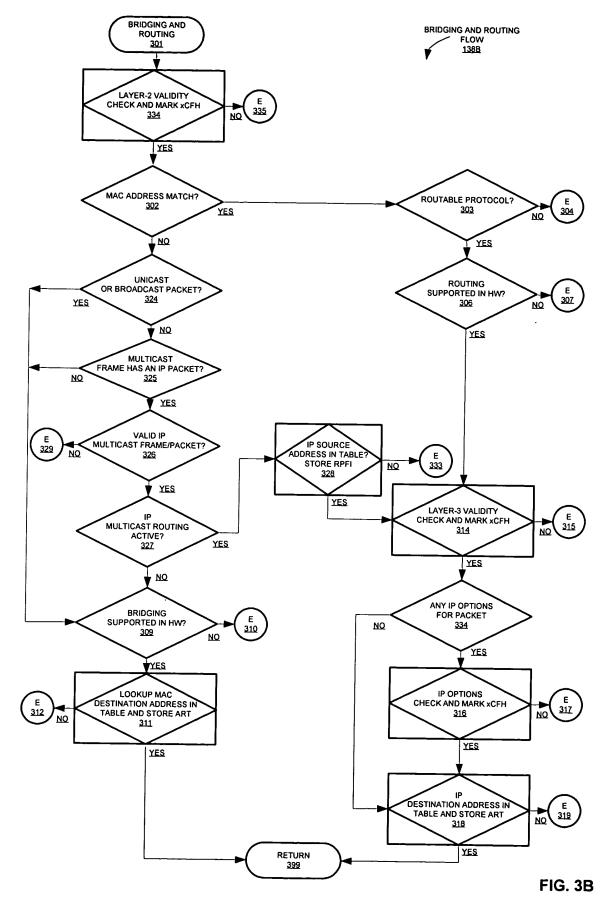
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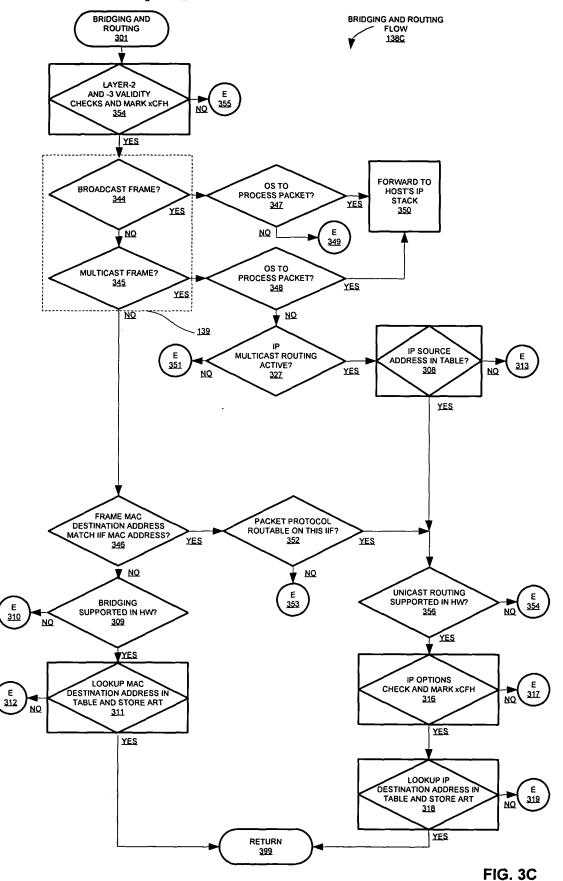
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Express Mail No.: EV 324942744 US Page 12 of 25 INBOUND NAT (INAT) FILTERING NAT FILTERING 401 FLOW 137 HW SUPPORT E 403 FOR NAT? LAYER-2/LAYER-3 VALIDITY CHECK(S) OKAY? 404 405 YES IP OPTIONS OKAY? E 407 YES FRAGMENT? 409 408 Диσ FOR NEW CONNECTION? TCP PACKET? E 412 410 YES 411 NO NQ MATCH IN TABLE? STORE CT INDEX IN CFH UDP PACKET? E 415 413 NO YES NQ YES MATCH IN TABLE? **GRE PACKET?** STORE CT INDEX IN CFH 417 YES <u>418</u> NQ NQ YES MATCH IN TABLE? IPSEC PACKET? STORE CT INDEX IN CFH <u>420</u> 422 YES NQ <u>421</u> NO YES OBTAIN AND STORE NT ICMP PACKET? IN LIST? E 426 INDEX IN CFH <u>425</u> <u>416</u> NQ NQ YES OBTAIN AND STORE ART INDEX IN CFH

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FIG. 4A

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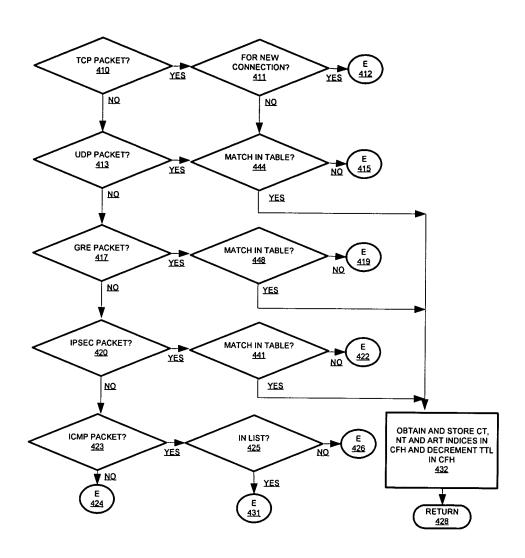
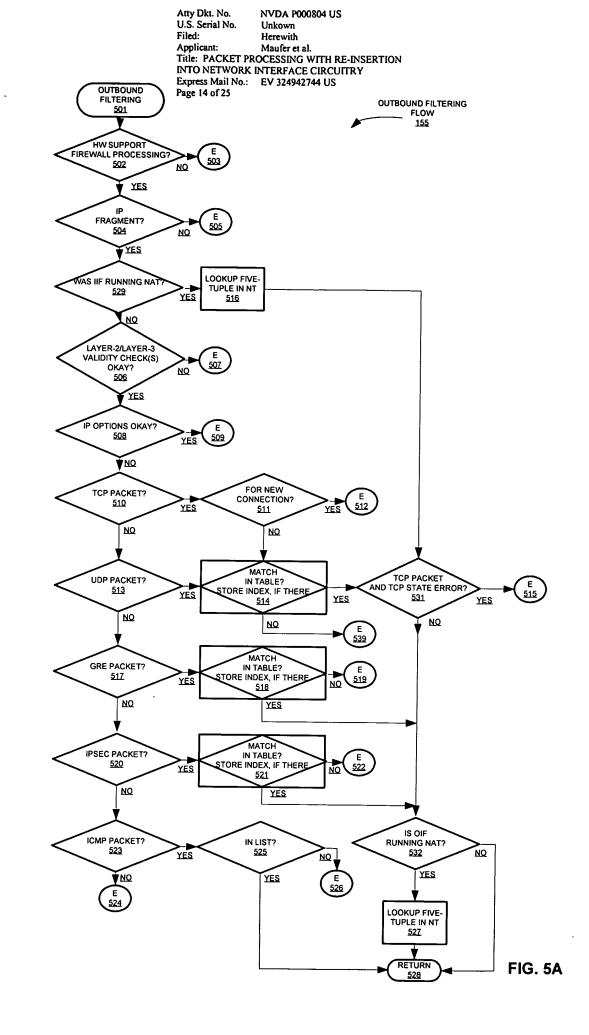


FIG. 4B



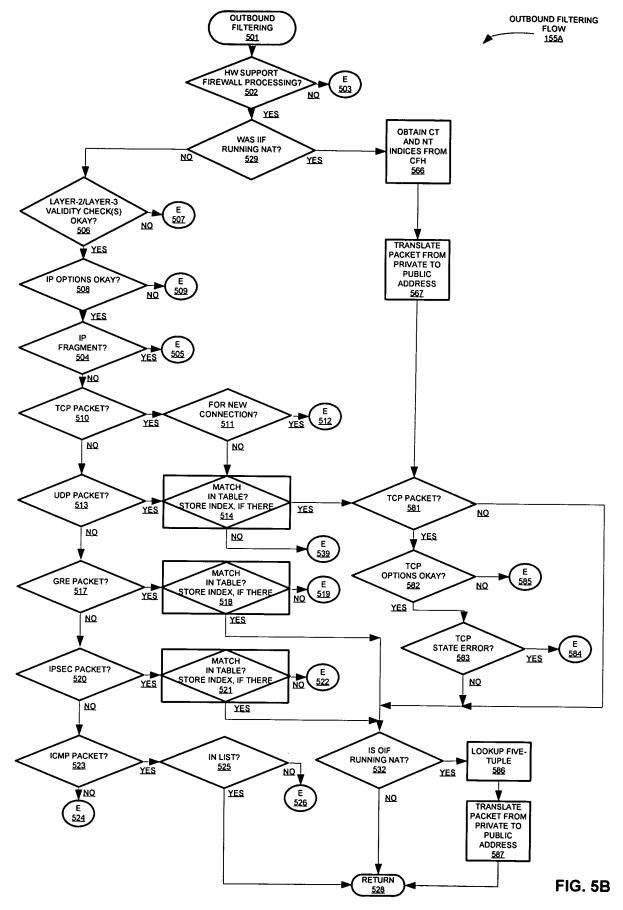
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— <u>600</u>

ART INDEX 601	REMOTE IP ADDR 602	SPI/CALL ID 603	LOCAL IP ADDR <u>604</u>	REMOTE PORT 605	NT INDEX 606	LOCAL PORT 607	IP PROTOCOL 608	TCP STATE 609	SEQ. NO. 610
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FIG. 6



ART INDEX 601	EMOTE IP ADDR 602 SPI/CALL ID 603	PUBLIC IP ADDR 704	REMOTE PORT 605	CT INDEX 706	PUBLIC PORT 707	IP PROTOCOL 608
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FIG. 7

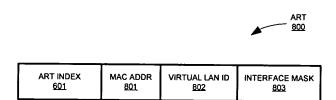


FIG. 8

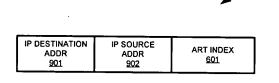


FIG. 9A

Atty Dkt. No. U.S. Serial No. NVDA P000804 US

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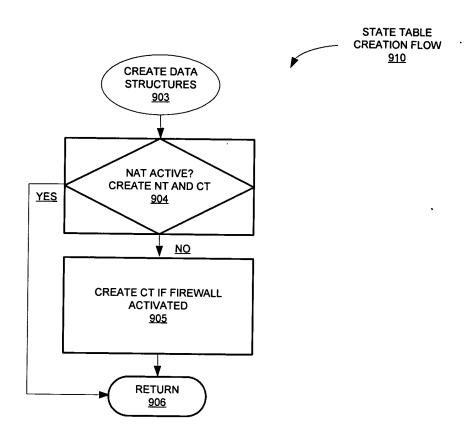


FIG. 9B

Atty Dkt. No. NVDA P000804 US U.S. Serial No. Unkown Filed: Herewith

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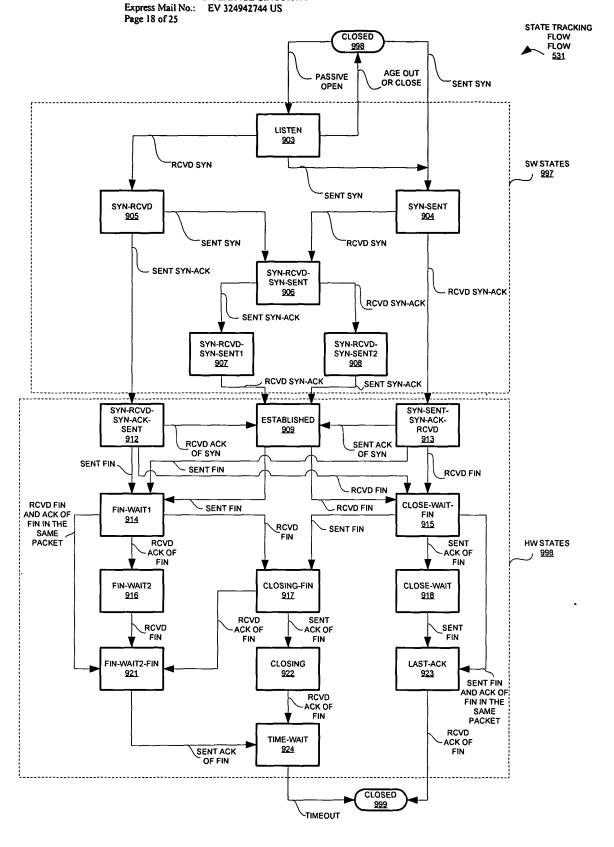


FIG. 10

NVDA P000804 US

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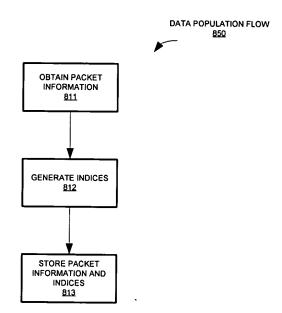


FIG. 11

Atty Dkt. No. U.S. Serial No. Unkown Herewith

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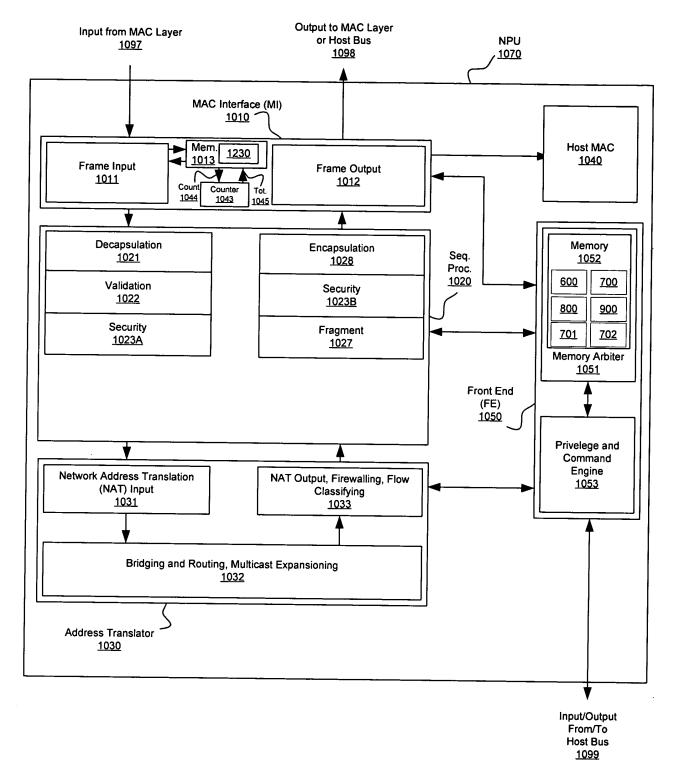


FIG. 12A

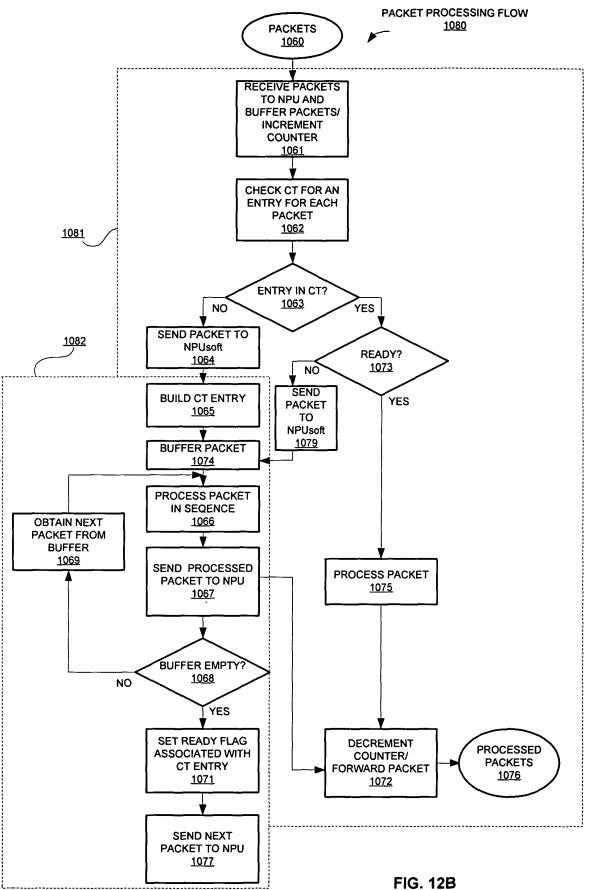
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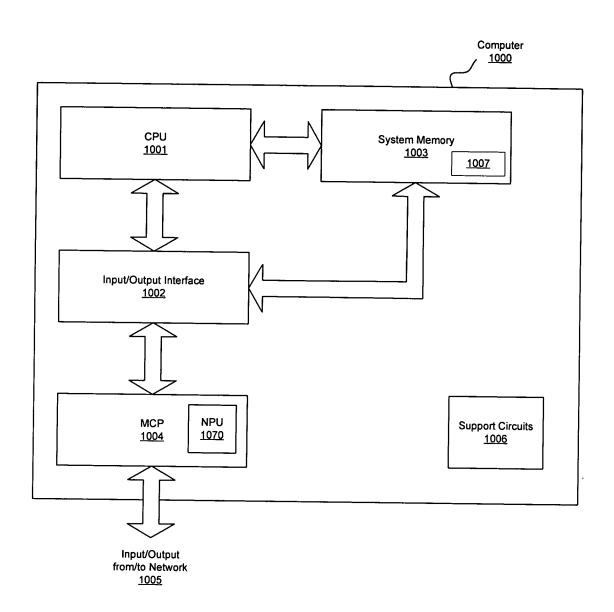


FIG. 13

Atty Dkt. No. U.S. Serial No. NVDA P000804 US Unkown

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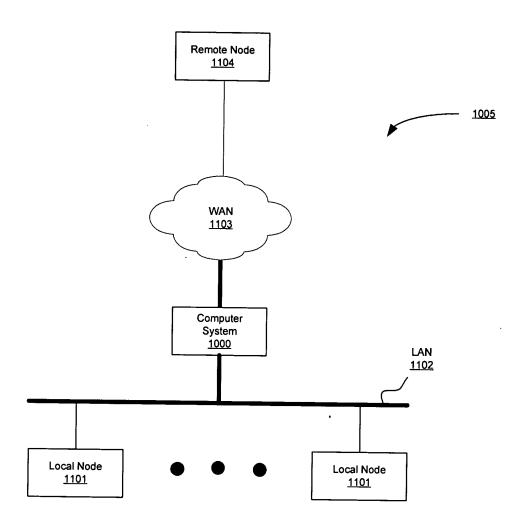


FIG. 14

Atty Dkt. No. U.S. Serial No. NVDA P000804 US Unkown

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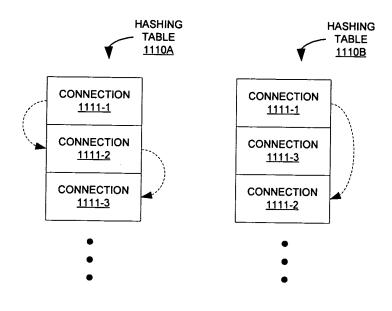


FIG. 15A

FIG. 15B

Atty Dkt. No. NVDA P000804 US U.S. Serial No. Unkown

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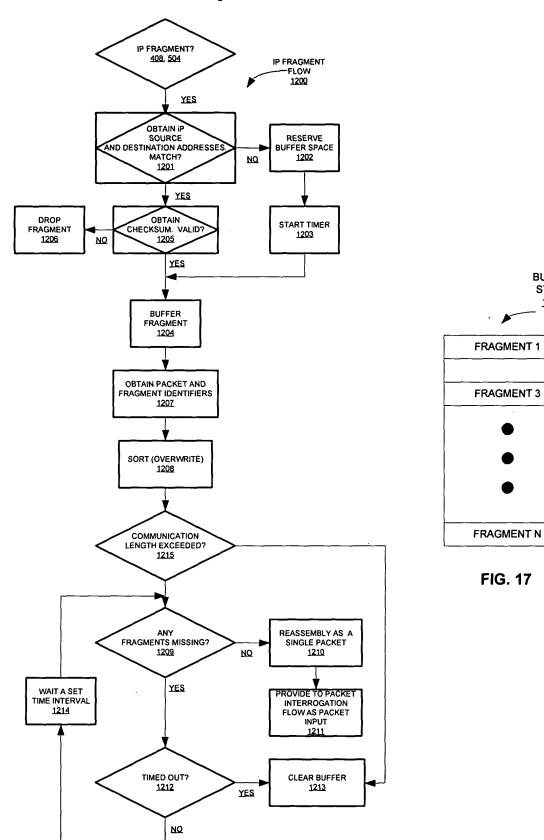


FIG. 16